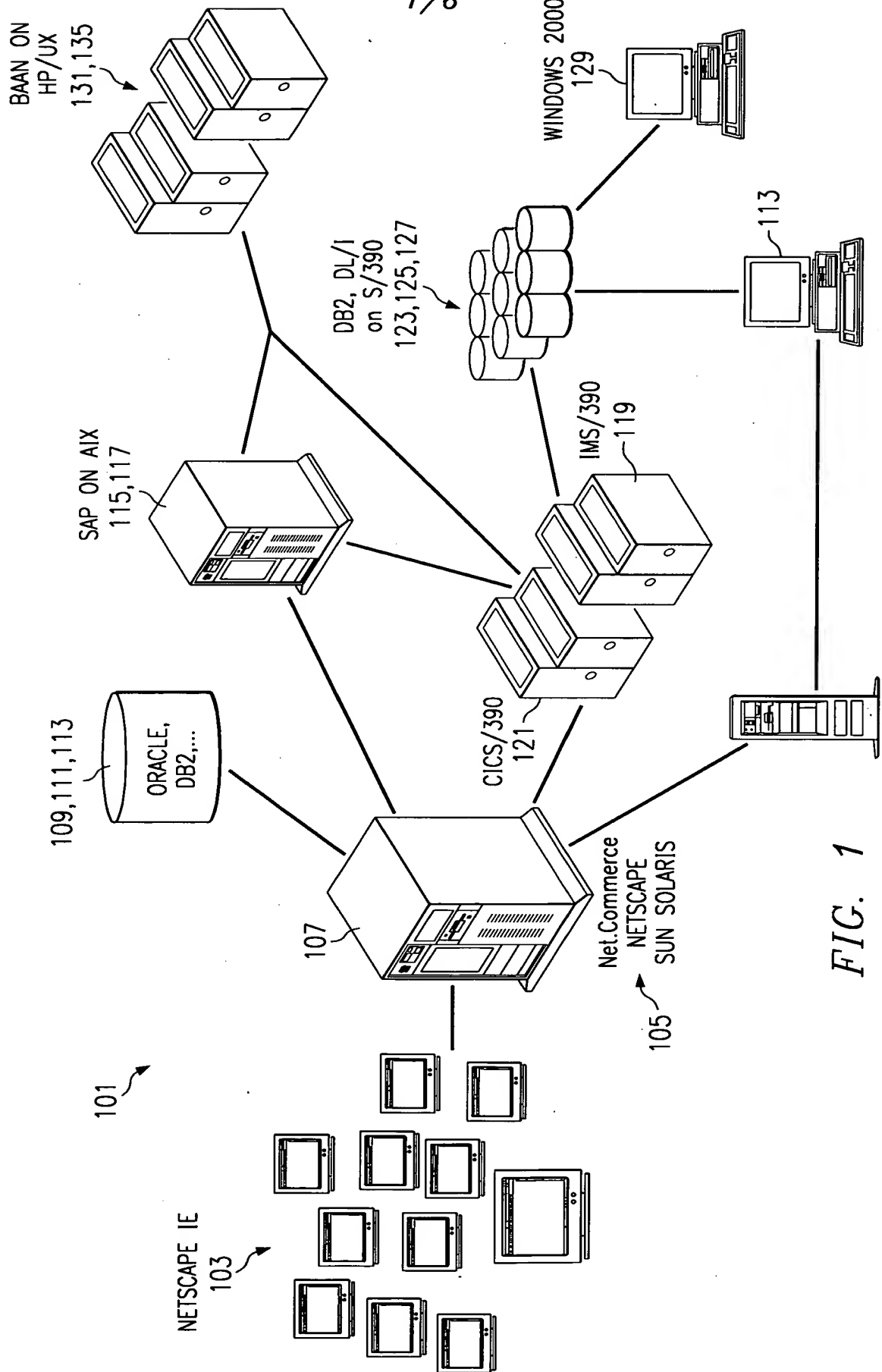


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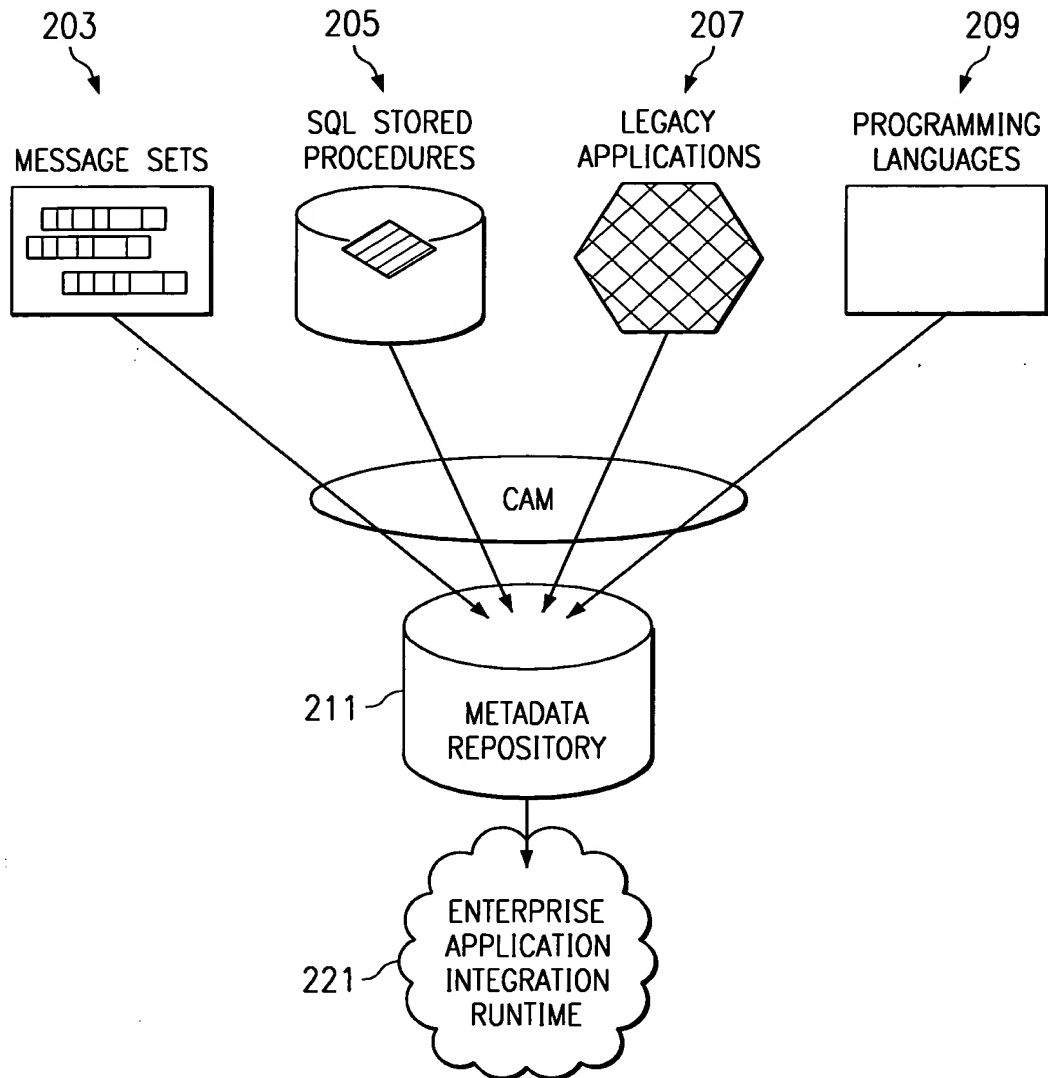


FIG. 2

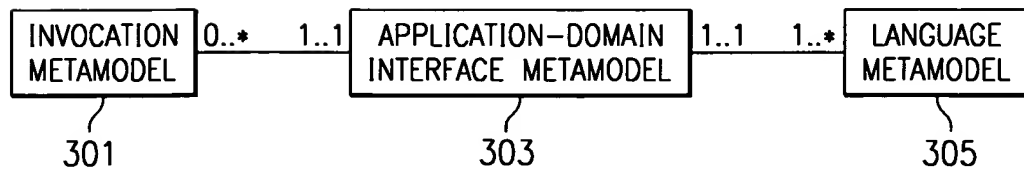
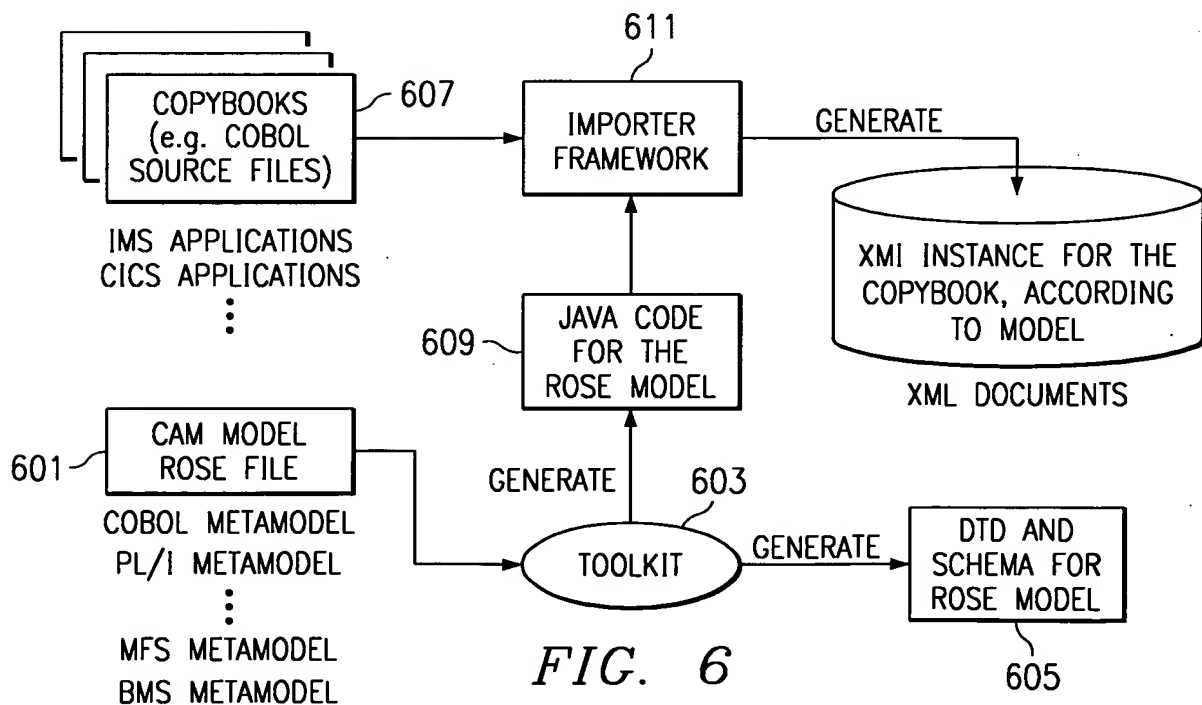
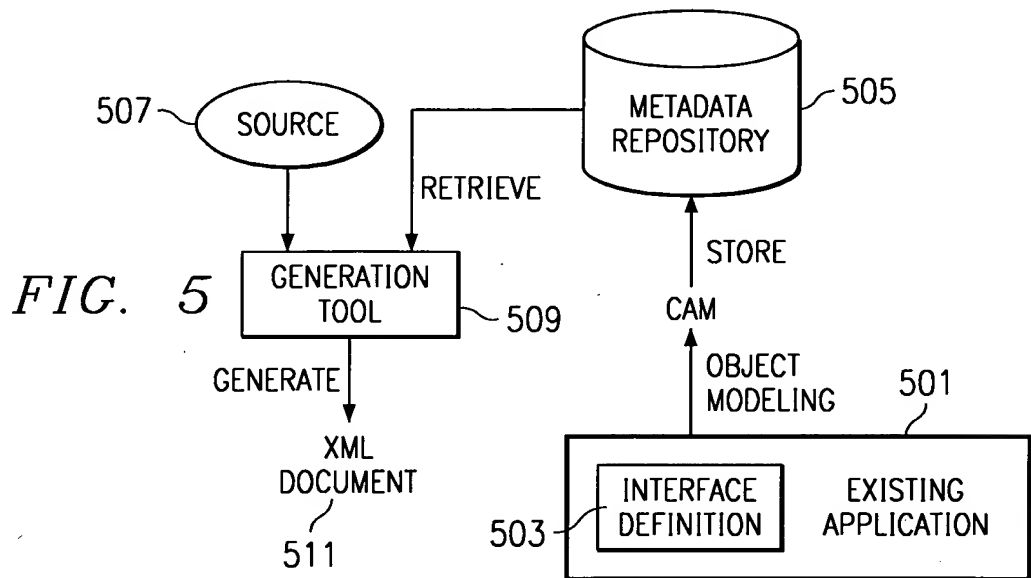
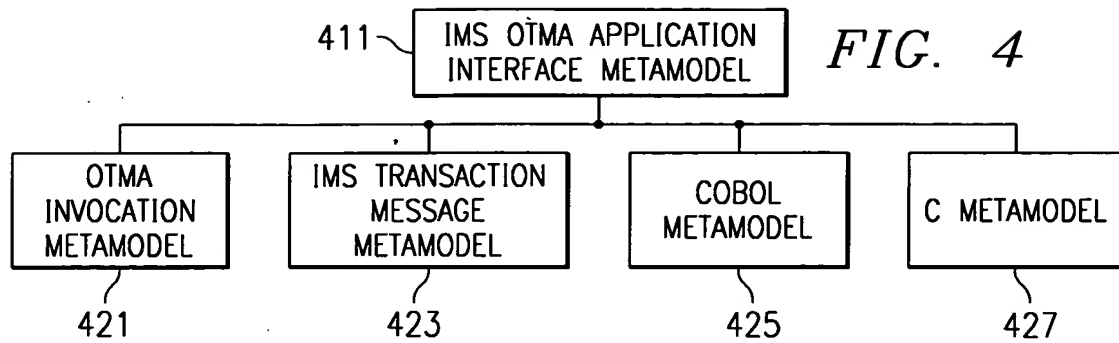
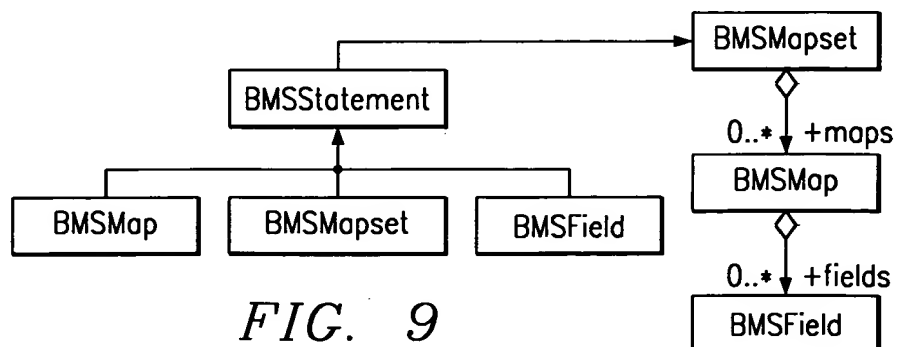
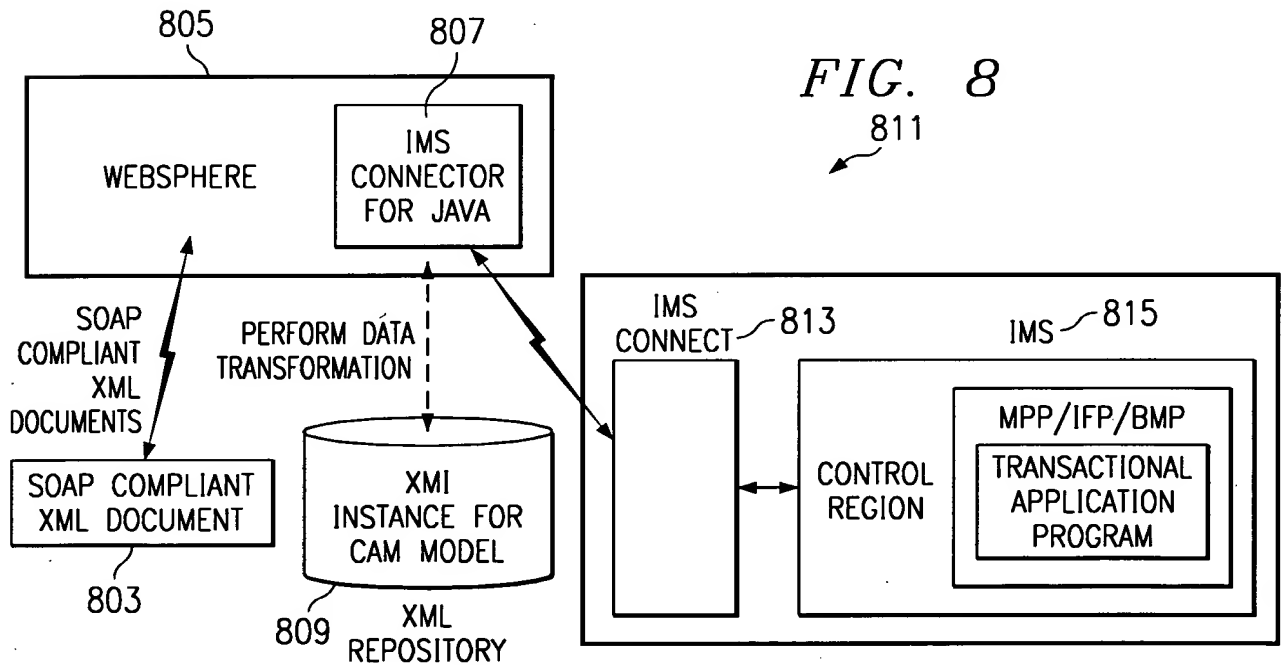
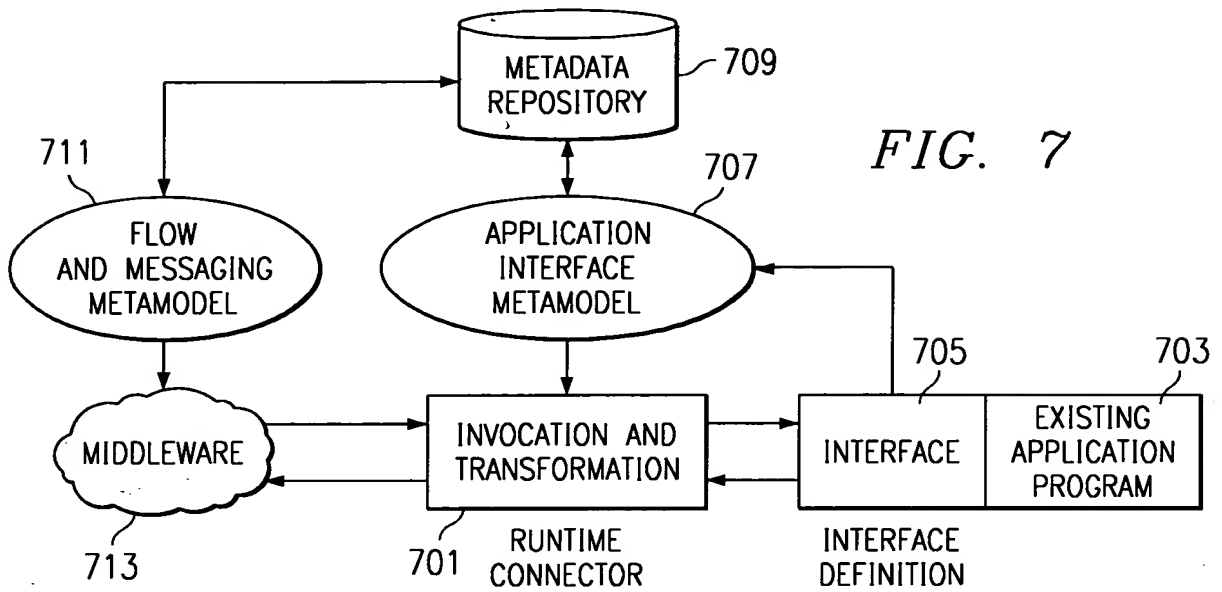


FIG. 3

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BMSMapset	BMSMap	BMSField
base : String color : BMSColorType control : BMSControlType cursorLocation : boolean data : BMSDataType descriptionAttributes : BMSMapAttributesType extendedAttributes : BMSExtendedAttributesType fieldSeparator : String fold : BMSFoldType highlighting : BMSHighlightingType horizontalTabs : int language : BMSLanguageType logicalDeviceCode : int mapAttributes : BMSMapAttributesType mode : BMSModeType onboardFormatting : boolean outlining : BMSOutliningType partition : String programmedSymbol : String shiftOutShiftIn : boolean storage : boolean suffix : String terminal : String tioaPrefix : boolean transparent : boolean trigraph : boolean type : BMSMapsetType validation : BMSValidationType verticalTabs : int	column : String color : BMSColorType control : BMSControlType cursorLocation : boolean data : BMSDataType descriptionAttributes : BMSMapAttributesType extendedAttributes : BMSExtendedAttributesType fields : boolean fieldSeparator : String header : boolean highlighting : BMSHighlightingType justify : BMSJustifyType line : String mapAttributes : BMSMapAttributesType onboardFormatting : boolean outlining : BMSOutliningType partition : String programmedSymbol : String shiftOutShiftIn : boolean size : BMSSizeType terminal : String tioaPrefix : boolean trailer : boolean transparent : boolean validation : BMSValidationType	attributes : BMSAttributesType case : boolean color : BMSColorType group : String highlighting : BMSHighlightingType initialValue : String justify : BMSJustifyType length : int occurs : int outlining : BMSOutliningType pictureInput : String pictureOutput : String position : BMSPositionType programmedSymbol : String shiftOutShiftIn : String transparent : boolean validation : BMSValidationType

FIG. 10A

<table><tr><td><<enumeration>> BMSData Type</td><td>field block</td></tr></table>	<<enumeration>> BMSData Type	field block	<table><tr><td><<enumeration>> BMSExtendedAttributesType</td><td>no yes maponly</td></tr></table>	<<enumeration>> BMSExtendedAttributesType	no yes maponly	<table><tr><td>BMSStatement</td><td>label : String comments : String</td></tr></table>	BMSStatement	label : String comments : String
<<enumeration>> BMSData Type	field block							
<<enumeration>> BMSExtendedAttributesType	no yes maponly							
BMSStatement	label : String comments : String							
<table><tr><td><<enumeration>> BMSControlType</td><td>print length freekb alarm frset</td></tr></table>	<<enumeration>> BMSControlType	print length freekb alarm frset	<table><tr><td><<enumeration>> BMSColorType</td><td>default blue red green pink turquoise yellow neutral</td></tr></table>	<<enumeration>> BMSColorType	default blue red green pink turquoise yellow neutral	<table><tr><td><<enumeration>> BMSFoldType</td><td>lower upper</td></tr></table>	<<enumeration>> BMSFoldType	lower upper
<<enumeration>> BMSControlType	print length freekb alarm frset							
<<enumeration>> BMSColorType	default blue red green pink turquoise yellow neutral							
<<enumeration>> BMSFoldType	lower upper							
<table><tr><td>BMSAttributesType</td><td>skip : boolean bright : boolean detectable : boolean dark : boolean modified : boolean cursor : boolean normal : boolean numeric : boolean protected : boolean</td></tr></table>	BMSAttributesType	skip : boolean bright : boolean detectable : boolean dark : boolean modified : boolean cursor : boolean normal : boolean numeric : boolean protected : boolean	<table><tr><td><<enumeration>> BMSModeType</td><td>out in inout</td></tr></table>	<<enumeration>> BMSModeType	out in inout	<table><tr><td><<enumeration>> BMSLanguageType</td><td>assembler c cobol cobol2 pli</td></tr></table>	<<enumeration>> BMSLanguageType	assembler c cobol cobol2 pli
BMSAttributesType	skip : boolean bright : boolean detectable : boolean dark : boolean modified : boolean cursor : boolean normal : boolean numeric : boolean protected : boolean							
<<enumeration>> BMSModeType	out in inout							
<<enumeration>> BMSLanguageType	assembler c cobol cobol2 pli							
<table><tr><td>BMSMapAttributesType</td><td>color : boolean highlighting : boolean outline : boolean programmedSymbol : boolean sosi : boolean transparent : boolean validation : boolean</td></tr></table>	BMSMapAttributesType	color : boolean highlighting : boolean outline : boolean programmedSymbol : boolean sosi : boolean transparent : boolean validation : boolean	<table><tr><td>BMSOutliningType</td><td>box : boolean left : boolean right : boolean over : boolean under : boolean</td></tr></table>	BMSOutliningType	box : boolean left : boolean right : boolean over : boolean under : boolean	<table><tr><td><<enumeration>> BMSValidationType</td><td>mustFill mustEnter trigger userExit</td></tr></table>	<<enumeration>> BMSValidationType	mustFill mustEnter trigger userExit
BMSMapAttributesType	color : boolean highlighting : boolean outline : boolean programmedSymbol : boolean sosi : boolean transparent : boolean validation : boolean							
BMSOutliningType	box : boolean left : boolean right : boolean over : boolean under : boolean							
<<enumeration>> BMSValidationType	mustFill mustEnter trigger userExit							
<table><tr><td><<enumeration>> BMSMapsetType</td><td>dsect map final</td></tr></table>	<<enumeration>> BMSMapsetType	dsect map final	<table><tr><td>BMSJustifyType</td><td>left : boolean right : boolean first : boolean last : boolean bottom : boolean</td></tr></table>	BMSJustifyType	left : boolean right : boolean first : boolean last : boolean bottom : boolean	<table><tr><td>BMSPositionType</td><td>line : int column : int number : int</td></tr></table>	BMSPositionType	line : int column : int number : int
<<enumeration>> BMSMapsetType	dsect map final							
BMSJustifyType	left : boolean right : boolean first : boolean last : boolean bottom : boolean							
BMSPositionType	line : int column : int number : int							
<table><tr><td>BMSSizeType</td><td>line : int column : int</td></tr></table>	BMSSizeType	line : int column : int	FIG. 10B					
BMSSizeType	line : int column : int							